Title (en)
A SYMBOL-LEVEL ADAPTATION METHOD FOR EQUALIZER COEFFICIENTS, MEMORY, EQUALIZER AND RECEIVER FOR IMPLEMENTING THE METHOD

Title (de)
ERFASSUNGSVERFAHREN AUF SYMBOLEBENE FÜR ENTZERRER-KOEFFIZIENTEN, SPEICHER, ENTZERRER UND EMPFÄNGER ZUR ANWENDUNG DES VERFAHRENS

Title (fr)
PROCÉDÉ D'ADAPTATION AU NIVEAU DES SYMBOLES DE COEFFICIENTS D'ÉGALISEUR, MÉMOIRE, ÉGALISEUR ET RÉCEPTEUR POUR LA MISE EN OEUVRE DU PROCÉDÉ

Publication
EP 1985027 A1 20081029 (EN)

Application
EP 07705755 A 20070131

Priority
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• EP 07705755 A 20070131

Abstract (en)
[origin: WO2007088516A1] A symbol-level adaptation method to adapt at least one coefficient of an equalizer, the method comprising the steps of: a) executing an adaptive algorithm that calculates the value of the equalizer coefficient, the adaptive algorithm having a tunable parameter that determines how close (?) the calculated coefficient value is to the optimal solution, b) modifying the value of the equalizer coefficient according to the calculated coefficient value at an intermediate instant t? strictly between two consecutive instants t_A and t_B, instants t_A and t_B corresponding to the beginning and the end of a pilot symbol period, respectively, and c) adjusting the value of the tunable parameter according to a number ? representing the number of chips yet to be received before instant t_B or already received since instant t_A.

IPC 8 full level
H04B 1/707 (2011.01); **H04L 25/03** (2006.01)

CPC (source: EP KR US)
H04B 1/7097 (2013.01 - EP US); **H04B 1/7103** (2013.01 - KR); **H04L 25/03038** (2013.01 - EP US); H04J 13/0044 (2013.01 - EP US); H04L 2025/0377 (2013.01 - EP US)

Citation (search report)
See references of WO 2007088516A1

Citation (examination)
US 6175588 B1 20010116 - VISOTSKY YEVGENY [US], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2007088516 A1 20070809; CN 101379721 A 20090304; CN 101379721 B 20120829; EP 1985027 A1 20081029; JP 2009525662 A 20090709; JP 4822143 B2 20111124; KR 101029413 B1 20110414; KR 20080091507 A 20081013; US 2009028124 A1 20090129; US 8462756 B2 20130611

DOCDB simple family (application)
IB 2007050330 W 20070131; CN 200780004419 A 20070131; EP 07705755 A 20070131; JP 2008552939 A 20070131; KR 20087021460 A 20070131; US 16281807 A 20070131